

# **Growing Clean Energy and Jobs in the San Joaquin Valley**

## **An Exploration**

# Outcomes Hoped-For

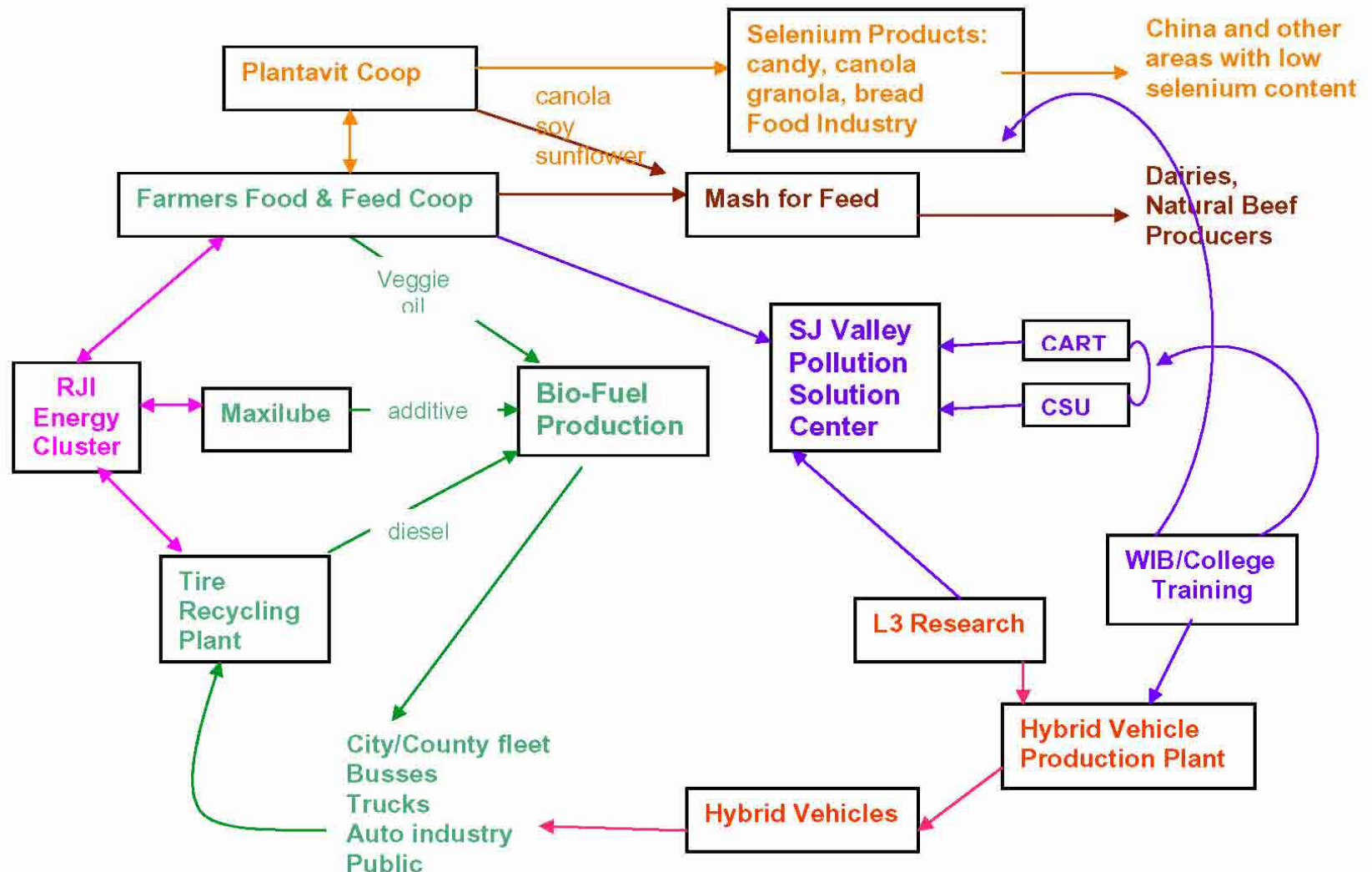
- ◆ Commitment to pursue the Concept  
Take on the project
- ◆ Resources for research and testing  
Identify resources  
Develop process and timetable

# Agenda

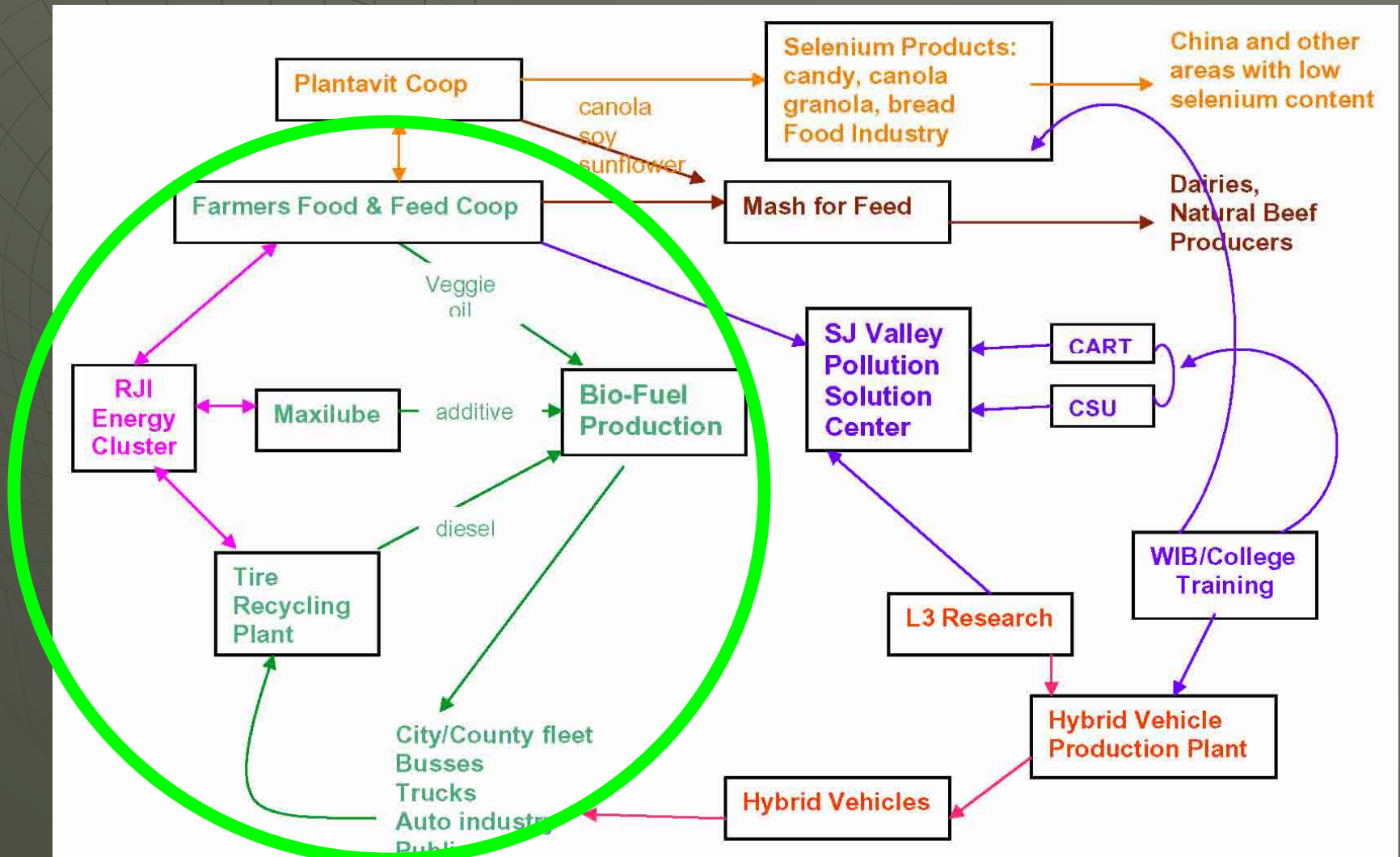
- ◆ Introductions
- ◆ Presentation of Broad Concept
- ◆ Discussion of Specific Veggie Oil Production Possibility (Part 1)
- ◆ Research needed
- ◆ Next Steps by whom

# The Big Picture

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graph TD; PlantavitCoop[Plantavit Coop] <--> FarmersFoodFeedCoop[Farmers Food & Feed Coop]; FarmersFoodFeedCoop -- "canola, soy, sunflower" --> SeleniumProducts[Selenium Products: candy, canola granola, bread Food Industry]; FarmersFoodFeedCoop --> MashForFeed[Mash for Feed]; FarmersFoodFeedCoop -- "Veggie oil" --> BioFuelProduction[Bio-Fuel Production]; FarmersFoodFeedCoop --> SJValleyPollutionSolutionCenter[SJ Valley Pollution Solution Center]; RJIEnergyCluster[RJI Energy Cluster] <--> Maxilube[Maxilube]; Maxilube -- "additive" --> BioFuelProduction; BioFuelProduction -- "diesel" --> TireRecyclingPlant[Tire Recycling Plant]; TireRecyclingPlant --> CityCountyFleet[City/County fleet Busses Trucks Auto industry Public]; CityCountyFleet --> BioFuelProduction; BioFuelProduction --> SJValleyPollutionSolutionCenter; SJValleyPollutionSolutionCenter --> L3Research[L3 Research]; L3Research --> HybridVehicleProductionPlant[Hybrid Vehicle Production Plant]; HybridVehicleProductionPlant --> HybridVehicles[Hybrid Vehicles]; HybridVehicles --> CityCountyFleet; SJValleyPollutionSolutionCenter <--> WIBCollegeTraining[WIB/College Training]; SJValleyPollutionSolutionCenter <--> CART[CART]; SJValleyPollutionSolutionCenter <--> CSU[CSU]; WIBCollegeTraining --> HybridVehicleProductionPlant; SeleniumProducts --> China[China and other areas with low selenium content]; China --> Dairies[Dairies, Natural Beef Producers]; MashForFeed --> Dairies;
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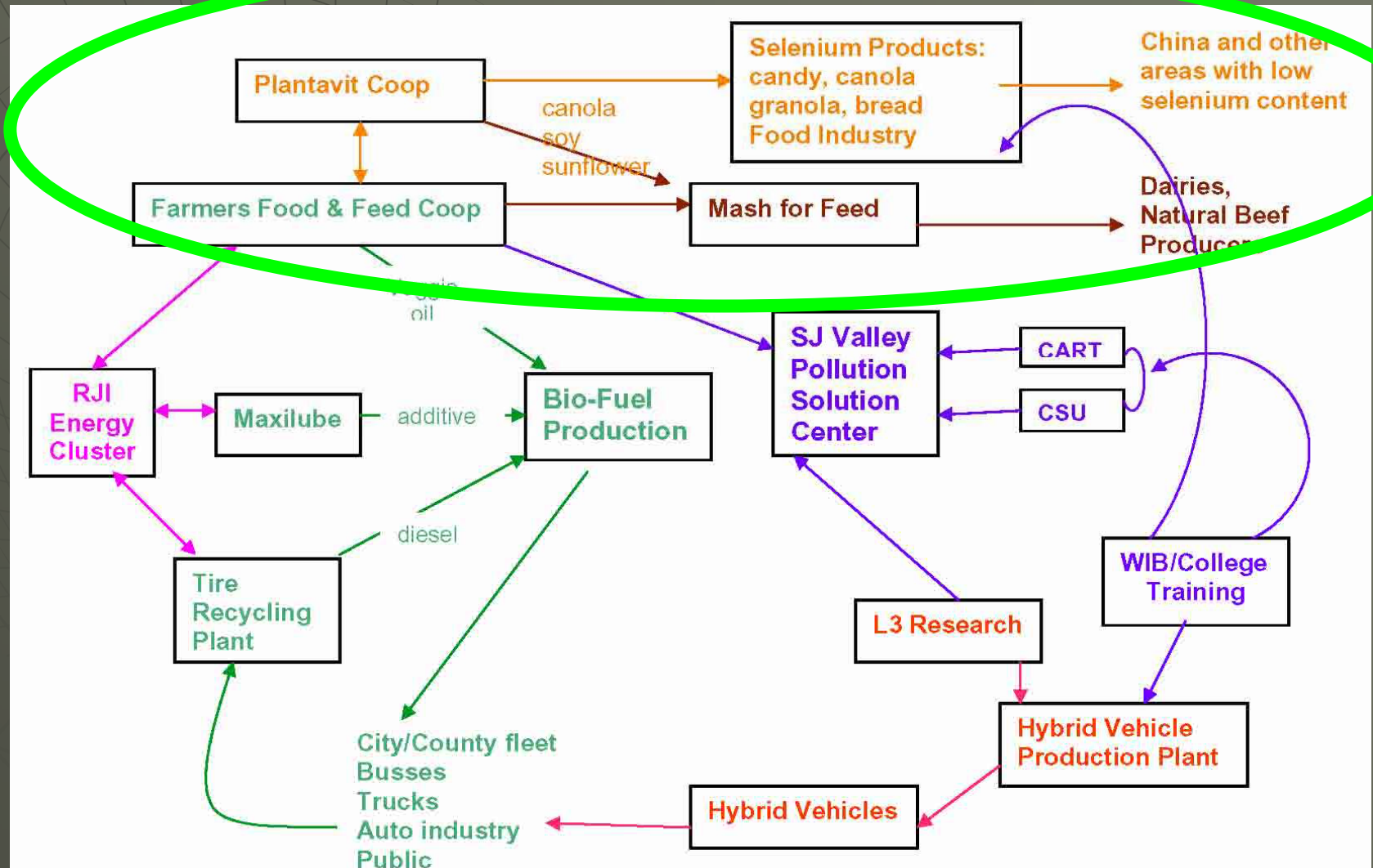


# Part 1: Veggie Fuel

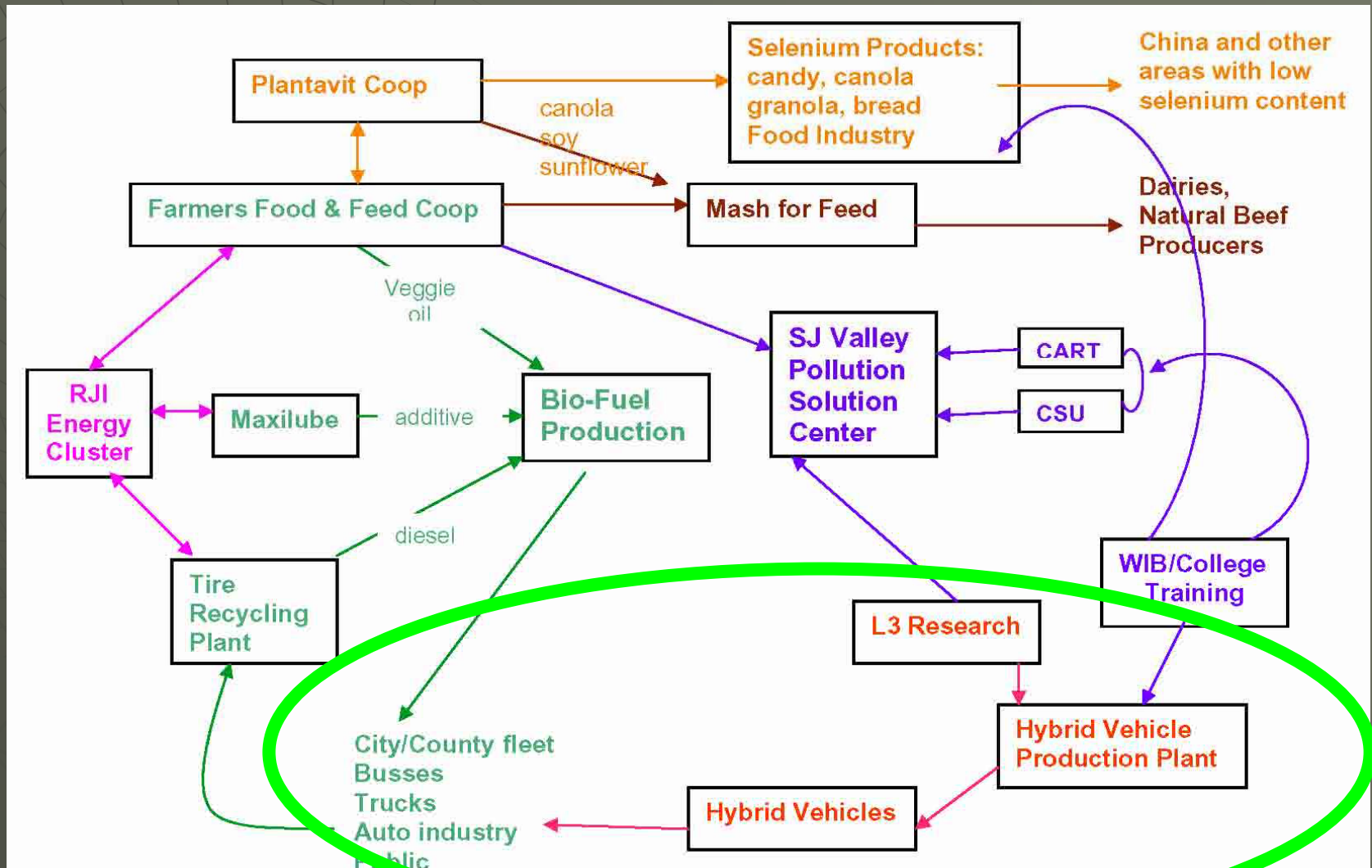




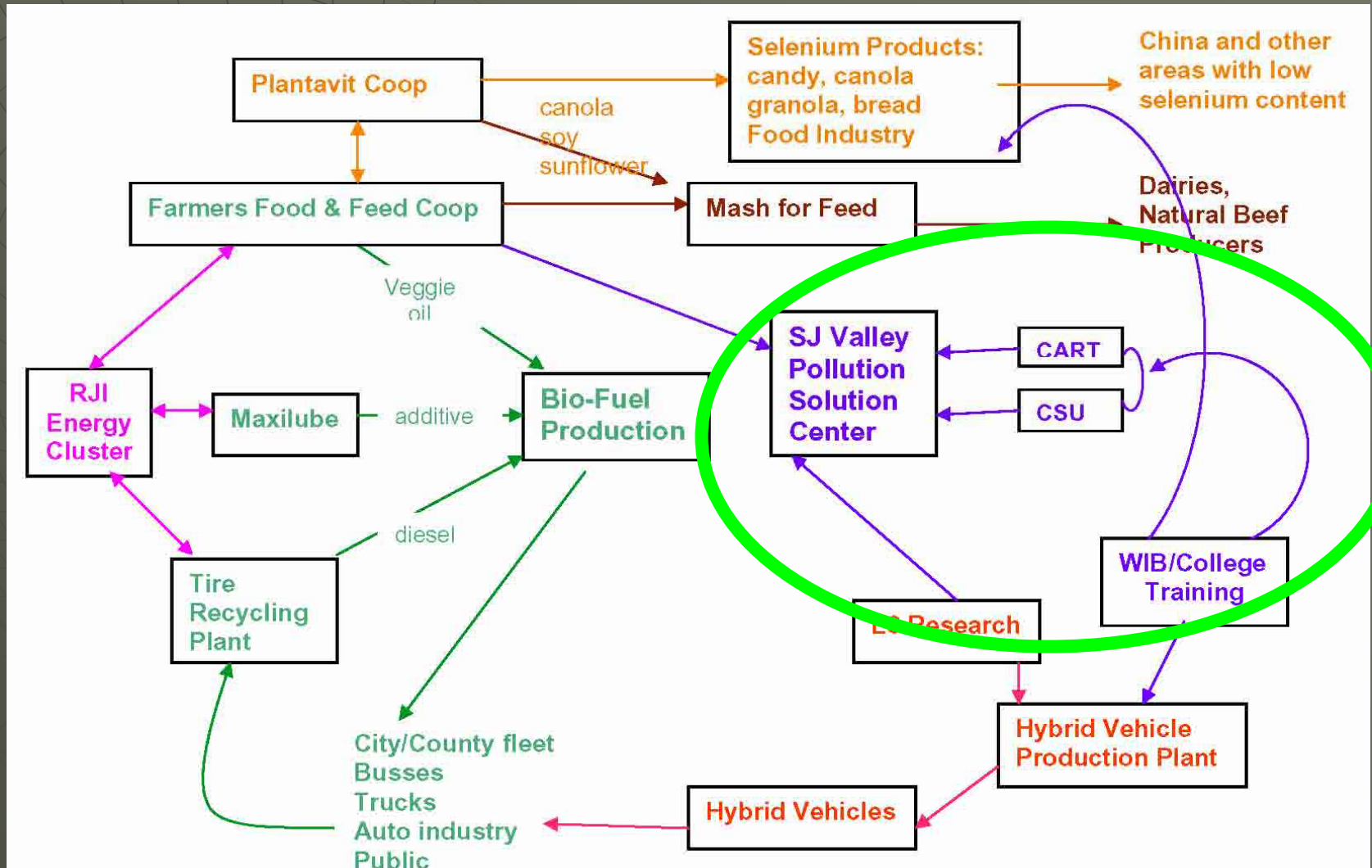
# Part 2: Feed and Selenium



# Part 3 Alternate Fuel Vehicles

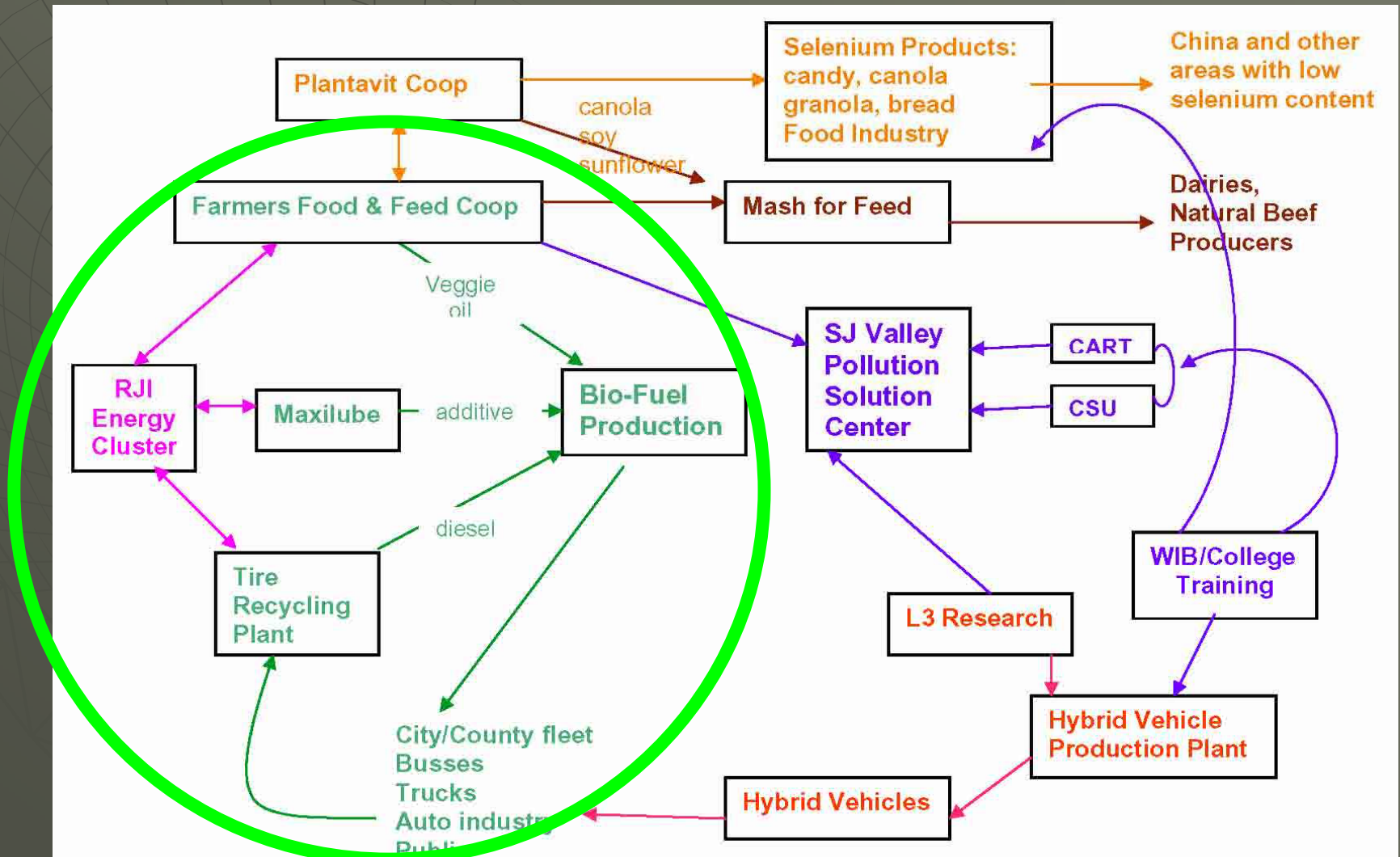


# Part 4: Education





# Part 1: Veggie Fuel



# The Elements

## Farmers Food and Feed Cooperative

Participants: San Joaquin Valley Farmers

Purpose: Growing Oil Producing Crops

Structure:

Timetable:

# Tire Recycling Plant

- ◆ Technology: Diesel from Tires
- ◆ Experience: Asia, Ohio, Mexico
- ◆ Research: Existing, In process
- ◆ Problems

Pollution Potential

Getting the tires

Costs

# The Additive

- ◆ Role and Need
- ◆ Existing Research
- ◆ Remaining Questions

# The Market

- ◆ City, County, State, Federal vehicles
- ◆ Busses
- ◆ Trucks
- ◆ General Public



# The Questions

- ◆ Is this a concept to pursue?
- ◆ Who wants to participate and in what role?
- ◆ Research on the product?
- ◆ Research on its marketability?
- ◆ Research on the organization?
- ◆ Next steps?